

for US:

CLAIMS

1. Fusion protein comprising a cellulose binding domain  
5 and a domain having a high binding affinity for another  
ligand.
2. Fusion protein according to claim 1, wherein the  
cellulose binding domain is obtainable from a fungal enzyme  
10 origin such as Humicola, Trichoderma, Thermomonospora,  
Phanerochaete, Aspergillus or from a bacterial enzyme origin  
such as Bacillus, Clostridium, Streptomyces, Cellulomonas  
and Pseudomonas.
- 15 3. Fusion protein according to claim 1, wherein the  
cellulose binding domain is obtainable from Trichoderma  
reesei.
4. Fusion protein according to claim 1, wherein the domain  
20 having a high binding affinity is an antibody or antibody  
fragment.
5. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is a Heavy Chain antibody as  
25 found in Camelidae.
6. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is a peptide.
- 30 7. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at a Benefit  
Agent.
8. Fusion protein according to claim 1, wherein the domain  
35 having a high binding affinity is directed at a Benefit  
Agent selected from the group consisting of a fabric

softening agents, fragrances, perfumes, polymeric  
lubricants, photoprotective agents, latexes, resins, dye  
fixative agents, encapsulated materials, antioxidants,  
insecticides, soil repelling agents or a soil release  
5 agents.

9. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at the fabric.

10 10. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at polyester, or  
polyester / cotton, or wool.

11. Fusion protein according to claim 1, wherein the domain  
15 having a high binding affinity is directed at a specific  
part of the fabric.

12. Fusion protein according to claim 1, wherein the  
cellulose binding domain is connected to the domain having a  
20 high binding affinity for another ligand by means of a  
linker consisting of 2-15, preferably 2-5 amino acids.

13. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at a micro-  
25 particles which are loaded with a benefit agent.

14. Fusion protein according to claim 1, whereby the domain  
having a high binding affinity is a multi-specific antibody  
or antibody fragment or an analogous structure, whereby at  
30 least one specificity is directed to the fabric and the  
others are directed to one or more benefit agents.

15. Detergent composition comprising one or more  
surfactants and a fusion protein according to claim 1.